

Amendments to the Claims:

The following Listing of Claims will replace all prior versions, and listings, of claims in the application. Deletions are identified in bold with double brackets and strikethrough (e.g. ~~[[deletion]]~~) and new text is identified in bold with underlining (e.g. new language).

Listing of Claims:

1. (Currently amended) An interactive remote drug dose and physiologic response monitoring system in a patient under a prescriptive regimen to take a drug ~~[[wherein at least one IMD is adapted to communicate with a drug delivery device, the monitoring system]]~~ comprising:
 - a drug delivery device; and
 - an IMD in wireless communication ~~[[communications]]~~ with the drug delivery device, the IMD having means for monitoring the administration of a drug by the drug delivery device in compliance with a prescriptive regimen, wherein ~~the IMD is implanted in a patient under a prescriptive regimen to take a drug from the drug delivery device and~~ the IMD monitors the patient's physiological signs subsequent to the administration of the drug for compliance with a prescriptive regimen, and checks drug interaction in the patient.
2. (Original) The system of claim 1, wherein the delivery device is chosen from one of the following: a pill box, a transdermal patch, a IV, an inhaler, an oral medicament dispenser, a subcutaneous implant, a drug pump, or a transcutaneous application.
3. (Currently amended) A drug delivery monitoring system comprising:
 - means for monitoring parameters of a drug delivery device;
 - means for communicating the monitored parameters with an IMD;
 - means for processing the monitored parameters;
 - means for controlling the drug delivery device based on the processing of the ~~[[sensed]]~~ monitored parameters.
4. (Original) The system of claim 3, further comprising:
 - means for sensing physiological parameters through the IMD;

means for processing the sensed physiological parameters relative to a drug delivered by the drug delivery system; and

means for controlling the drug delivery system in response to the processing of the sensed physiological parameters.

5. (Original) The system of claim 3, further comprising means for controlling a therapy delivered by the IMD based upon the means for processing the monitored parameters.

6. (Currently amended) An implantable medical device comprising:
a microprocessor for controlling cardiac therapy parameters;
a lead for delivering electrical stimulation to cardiac tissue and monitoring physiologic parameters of the tissue; and

a telemetry unit for receiving the parameters from the lead and information from a drug delivery device, the information identifying whether an expected drug therapy is delivered, wherein the microprocessor varies the cardiac therapy delivery through the lead based upon the parameters and the information.

7. – 40. (Withdrawn)

41. (cancelled)